

Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
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EFS ID: 20234  
Application ID: 10065840  
Title of Invention: DELAY-LOCK-LOOP WITH  
IMPROVED ACCURACY AND  
RANGE  
First Named Inventor: George Braceras  
Domestic/Foreign Application: Domestic Application  
Filing Date: null  
Effective Receipt Date: 2002-11-25  
Submission Type: Utility Patent Filing  
Filing Type: new-utility  
Confirmation Number: 0  
Attorney Docket Number: FIS920010332  
Digital Certificate Holder: cn=Robert A. Walsh, ou=Registered Attorneys, ou=Patent and  
Trademark Office, ou=Department of Commerce, o=U.S.  
Government, c=US  
Certificate Message Digest: oO8voJ+400tXZdPxvdZh3g==  
Total Fees Authorized: \$780.0  
Payment Category: DA - Deposit Account  
Deposit Account Number: 90456  
Deposit Account Name: Robert A. Walsh





# TRANSMITTAL FORM

Electronic Version 1.0.3

Stylesheet Version: 1.0

Submission Type: Utility  
Patent Filing

Attorney Docket  
Number:

FIS920010332

## DELAY-LOCK-LOOP WITH IMPROVED ACCURACY AND RANGE

First Named Inventor: Mr. George M. Braceras

### SUBMITTED BY

Name:	Robert A. Walsh
Registration Number:	26,516
Electronic Signature Mark: Robert A. Walsh /s/	Date Signed: 20021125

*I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.*

*I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.*

### Attached Files:

declaration	FIS920010332US1Dec1.tif
declaration	FIS920010332US1Dec2.tif
bibd-transmittal	FIS920010332US1RAWapds.xml
us-information-disclosure-statement	FIS920010332US1RAWids.xml

patent-assignments  
specification  
fee-transmittal

FIS920010332US1RAWasgn.xml  
FIS920010332US1.xml  
FIS920010332US1RAWfee.xml

**Attached Image File(s):**

FIS920010332US1Dec1.tif  
FIS920010332US1Dec2.tif

**Comments:**

Assignee: International Business Machines Corporation Address: Armonk, NY 10504

FI8920010332US1

**DECLARATION AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **DELAY-LOCK-LOOP WITH IMPROVED ACCURACY AND RANGE**

the specification of which:  
(check one)

☒ is attached hereto.

☐ was filed on \_\_\_\_\_, as Application Serial No. \_\_\_\_\_ and was amended on \_\_\_\_\_.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

Number	Country	Day/Month/Year	Priority Claimed
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I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U.S. Applications:

Serial No.	Filing Date	Status
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Anthony J. Canale, (Reg. No. 51,526), Mark F. Chadurjian (Reg. No. 30,739), Richard M. Kotulak (Reg. No. 27,712), William D. Sabo (Reg. No. 27,465), Robert A. Walsh (Reg. No. 26,516), Richard A. Henkler (Reg. No. 39,220), Stanley B. Green (Reg. No. 24,351), Christopher A. Hughes (Reg. No. 26,914), John E. Hoel (Reg. No. 26,279), Joseph C. Redmond, Jr. (Reg. No. 18,753), Sean M. McGinn (Reg. No. 34,386), and Frederick W. Gibb, III (Reg. No. 37,629).

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IBM Docket No. FIS920010332US1

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# FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Large Entity

**TOTAL FEES AUTHORIZED: \$ 780**

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 09-0456



Deposit Account Name: International Business Machines Corporation

## SUBMITTED BY

Authorized Name:

Robert A. Walsh

Electronic Signature Mark:

Robert A. Walsh /s/

Date Signed:

20021123

## BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	1001	\$ 740

Subtotal For Basic Filing Fee: \$ 740

## EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 20	1202	\$ 18	0	\$ 0
Independent Claims: 3	1201	\$ 84	0	\$ 0

Subtotal For Extra Claims Fees: \$ 0

## ADDITIONAL FEES

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Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	8021	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 40